

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	393	(361/159).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/24 08:28
S2	55	S1 and discharge\$	US-PGPUB; USPAT	OR	ON	2005/09/20 14:56
S3	40597	crane	US-PGPUB; USPAT	OR	ON	2005/09/20 14:56
S4	6824	S3 and discharge\$	US-PGPUB; USPAT	OR	ON	2005/09/20 14:57
S5	195	S4 and spark	US-PGPUB; USPAT	OR	ON	2005/09/20 14:57
S6	32	S5 and diode	US-PGPUB; USPAT	OR	ON	2005/09/20 15:01
S7	28	S4 and (spark adj gap)	US-PGPUB; USPAT	OR	ON	2005/09/20 15:26
S8	588	electromagnet and crane	US-PGPUB; USPAT	OR	ON	2006/01/20 15:31
S9	6	S8 and (discharg\$3 adj circuit)	US-PGPUB; USPAT	OR	ON	2005/09/22 16:05
S10	690	(361/120).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/22 16:01
S11	44	S10 and (discharge adj device)	US-PGPUB; USPAT	OR	ON	2005/09/20 15:30
S12	1	S10 and crane	US-PGPUB; USPAT	OR	ON	2005/09/20 15:30
S13	2	S10 and electromagnet	US-PGPUB; USPAT	OR	ON	2005/09/20 15:30
S14	421	(protect\$3 and spark\$4) same induct\$3	US-PGPUB; USPAT	OR	ON	2006/01/23 08:18
S15	147	S14 and housing	US-PGPUB; USPAT	OR	ON	2005/09/22 13:16
S16	53	S15 and diode	US-PGPUB; USPAT	OR	ON	2005/09/22 13:34
S17	34	S16 and resistance	US-PGPUB; USPAT	OR	ON	2005/09/22 13:22
S18	6	S14 and electromagnet	US-PGPUB; USPAT	OR	ON	2005/09/22 13:22
S19	4	S15 and purge	US-PGPUB; USPAT	OR	ON	2005/09/22 13:51
S20	110	S14 and valve	US-PGPUB; USPAT	OR	ON	2005/09/22 15:48

S22	690	(361/120).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/22 16:02
S23	2	S22 and electromagnet	US-PGPUB; USPAT	OR	ON	2005/09/22 16:03
S24	11	("2329518"   "3492532"   "3858089").PN. OR ("3959694"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 16:03
S25	590	electromagnet and crane	US-PGPUB; USPAT	OR	ON	2006/01/20 15:22
S26	6	S25 and (discharg\$3 adj circuit)	US-PGPUB; USPAT	OR	ON	2005/09/22 16:05
S27	0	S26 and (spark)	US-PGPUB; USPAT	OR	ON	2005/09/22 16:06
S28	0	S26 and (spark adj gap)	US-PGPUB; USPAT	OR	ON	2005/09/22 16:07
S29	42919	electromagnet or (inductive adj devices)	US-PGPUB; USPAT	OR	ON	2005/09/22 16:08
S30	5188	S29 same (spark gap)	US-PGPUB; USPAT	OR	ON	2005/09/22 16:09
S31	1420	S30 same (discharge device)	US-PGPUB; USPAT	OR	ON	2005/09/22 16:09
S32	27	S31 same (protect\$3)	US-PGPUB; USPAT	OR	ON	2005/09/22 16:10
S33	1	("3708685").PN. OR ("6088210"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/22 16:16
S34	1	("3708685").PN. OR ("6088210"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/23 11:35
S35	3718	(361/160,111,91.1,118).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/23 10:54
S36	90	S35 and electromagnet	US-PGPUB; USPAT	OR	ON	2005/09/23 10:55
S37	34	S36 and discharge\$7	US-PGPUB; USPAT	OR	ON	2005/09/23 10:56
S38	22	S37 and energize\$5	US-PGPUB; USPAT	OR	ON	2005/09/23 11:01
S39	9730	protect\$ same (device or circuit) same (inductive or electromagnet\$)	US-PGPUB; USPAT	OR	ON	2005/09/23 11:02
S40	1325	S39 same capacitor	US-PGPUB; USPAT	OR	ON	2005/09/23 11:05
S41	708	S40 same (diode or transistor)	US-PGPUB; USPAT	OR	ON	2005/09/23 11:05
S42	153	S41 same (open or energized)	US-PGPUB; USPAT	OR	ON	2005/09/23 11:25

S43	2	S41 same (crane\$7 or industrial)	US-PGPUB; USPAT	OR	ON	2005/09/23 11:07
S44	727	S39 same (industrial or electromagnet)	US-PGPUB; USPAT	OR	ON	2005/09/23 11:25
S45	6	S44 same (spark or (gas adj discharge))	US-PGPUB; USPAT	OR	ON	2005/09/23 11:29
S46	0	S44 same (gas adj discharge)	US-PGPUB; USPAT	OR	ON	2005/09/23 11:30
S47	15	S44 same ((spark or air) adj gap)	US-PGPUB; USPAT	OR	ON	2005/09/23 11:31
S48	5416	induct\$ same ((gas adj tube) or ((spark or air) adj gap))	US-PGPUB; USPAT	OR	ON	2005/09/26 10:58
S49	4584	induct\$ same ((gas adj tube) or ((spark or air) adj gap))	USPAT	OR	ON	2005/09/26 11:00
S50	664	S49 same magnet	USPAT	OR	ON	2005/09/26 10:59
S51	127	S49 same electromagnet	USPAT	OR	ON	2005/09/26 10:59
S52	1005	induct\$ same ((gas adj tube) or (spark adj gap))	USPAT	OR	ON	2005/09/26 11:03
S53	14	S52 same magnet	USPAT	OR	ON	2005/09/26 11:02
S55	2347	induct\$ same ((gas adj tube) or (spark adj gap))	USOCR	OR	ON	2005/09/26 11:05
S56	187	S55 same magnet	USOCR	OR	ON	2005/09/26 11:06
S57	27	S56 same protect\$	USOCR	OR	ON	2005/09/26 11:22
S58	1085	electromagnet same (overvoltage surge transient)	USPAT; USOCR	OR	ON	2005/09/26 11:24
S59	149	S58 same diode	USPAT; USOCR	OR	ON	2005/09/26 11:24
S60	85	S59 same resistor	USPAT; USOCR	OR	ON	2005/09/26 11:33
S61	2	S60 same ((spark or air) adj gap)	USPAT; USOCR	OR	ON	2005/09/26 11:25
S62	4	"3968393"	USPAT; USOCR	OR	ON	2005/09/26 11:33
S63	326	(361/40,676,678).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/26 14:41
S64	12	S63 and ((spark or air) adj gap)	US-PGPUB; USPAT	OR	ON	2005/09/26 14:44
S65	6	S64 and housing	US-PGPUB; USPAT	OR	ON	2005/09/26 14:50
S66	86	S63 and housing	US-PGPUB; USPAT	OR	ON	2005/09/26 14:50
S67	0	S66 and ((purge or inlet or charge or outlet) adj valve)	US-PGPUB; USPAT	OR	ON	2005/09/26 14:51

S68	12	S66 and valve	US-PGPUB; USPAT	OR	ON	2005/09/26 14:52
S69	12	S68 and housing	US-PGPUB; USPAT	OR	ON	2005/09/26 15:03
S70	1644568	(spark or air) gap	US-PGPUB; USPAT	OR	ON	2005/09/26 15:08
S71	160930	S70 same housing	US-PGPUB; USPAT	OR	ON	2005/09/26 15:04
S72	33877	S71 same valve	US-PGPUB; USPAT	OR	ON	2005/09/26 15:05
S73	11031	S72 same (inlet or charge)	US-PGPUB; USPAT	OR	ON	2005/09/26 15:06
S74	6171	S73 same (outlet or purge)	US-PGPUB; USPAT	OR	ON	2005/09/26 15:06
S75	5726	S74 same (air or inert)	US-PGPUB; USPAT	OR	ON	2005/09/26 15:07
S76	136	S75 same protect\$	US-PGPUB; USPAT	OR	ON	2005/09/26 15:07
S77	6475	spark adj gap	US-PGPUB; USPAT	OR	ON	2005/09/26 15:17
S78	795	S77 same housing	US-PGPUB; USPAT	OR	ON	2005/09/26 15:17
S79	72	S78 same valve	US-PGPUB; USPAT	OR	ON	2005/09/26 15:17
S80	12	S79 same (inlet or charge)	US-PGPUB; USPAT	OR	ON	2005/09/26 15:18
S81	4	S80 same (outlet or purge)	US-PGPUB; USPAT	OR	ON	2005/09/26 15:24
S82	0	S81 same inert	US-PGPUB; USPAT	OR	ON	2005/09/26 15:24
S83	0	S81 same nitrogen	US-PGPUB; USPAT	OR	ON	2005/09/26 15:24
S84	12	S78 same inert	US-PGPUB; USPAT	OR	ON	2005/09/26 15:26
S85	0	S84 same valve	US-PGPUB; USPAT	OR	ON	2005/09/26 15:26

S86	49	(("4359038") or ("4969447") or ("3828754") or ("4247880") or ("4441033") or ("4594546") or ("4900889") or ("4938200") or ("4978829") or ("5228425") or ("5269282") or ("5714900") or ("5424671") or ("3913549") or ("4280166") or ("4378738") or ("4396888") or ("4571656") or ("4626193") or ("RE32911") or ("4833369") or ("4868730") or ("4886036") or ("4942362") or ("5339017") or ("5365910") or ("5392754") or ("5513619") or ("5612620") or ("5777829") or ("5798560") or ("5942883") or ("5992401") or ("6047691") or ("6450157") or ("6584965") or ("6679237") or ("4909812") or ("6058908") or ("6058908") or ("3579034") or ("4335599") or ("4381752") or ("4473875") or ("4551780") or ("4561707") or ("4758790") or ("4788505") or ("4809044") or ("4818916")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/27 11:11
S87	13	(("3711744") or ("3934175") or ("4455585") or ("4467384") or ("4544983") or ("4625255") or ("5331269") or ("6088210") or ("4571656") or ("3377496") or ("4554610") or ("4463405")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/27 11:16
S88	1	EP.FRCO. and "2685983"	US-PGPUB; USPAT	OR	ON	2005/09/27 11:28
S89	21	(361/159).CCLS.	EPO; JPO	OR	OFF	2006/01/20 14:37
S90	0	(361/159).CCLS.	DERWENT; IBM_TDB	OR	OFF	2006/01/20 14:37
S91	1	("3708685").PN. OR ("6088210").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/20 14:38
S92	13	electromagnet same ((spark adj gap)or (surge adj arrester))	US-PGPUB; USPAT	OR	ON	2006/01/20 15:02
S93	3	electromagnet same ((spark adj gap)or (surge adj arrester))same diode	US-PGPUB; USPAT	OR	ON	2006/01/20 15:02
S94	0	electromagnet same industrial same spark same diode same surge	US-PGPUB; USPAT	OR	ON	2006/01/20 15:24
S95	0	electromagnet same spark same diode same surge	US-PGPUB; USPAT	OR	ON	2006/01/20 15:23
S96	9	electromagnet same spark same diode	US-PGPUB; USPAT	OR	ON	2006/01/20 15:23

S97	266	electromagnet same industrial	US-PGPUB; USPAT	OR	ON	2006/01/20 15:25
S98	0	electromagnet same industrial same spark	US-PGPUB; USPAT	OR	ON	2006/01/20 15:25
S99	84216	electromagnet or crane	US-PGPUB; USPAT	OR	ON	2006/01/20 15:35
S100	0	S99 same industrial same spark same diode same (energized or open)	US-PGPUB; USPAT	OR	ON	2006/01/20 15:32
S101	0	S99 same industrial same spark same diode	US-PGPUB; USPAT	OR	ON	2006/01/20 15:33
S102	9	S99 same spark same diode	US-PGPUB; USPAT	OR	ON	2006/01/20 15:33
S103	37443	electromagnet or crane	EPO; JPO	OR	ON	2006/01/20 15:37
S104	0	S103 same spark same diode same (energized or open)	EPO; JPO	OR	ON	2006/01/20 15:36
S105	1	S103 same spark same diode	EPO; JPO	OR	ON	2006/01/20 15:37
S106	139793	electromagnet or crane	DERWENT; IBM_TDB	OR	ON	2006/01/20 15:37
S107	4	S106 same spark same diode	DERWENT; IBM_TDB	OR	ON	2006/01/20 15:37
S108	434	(protect\$3 and spark\$4) same induct\$3	US-PGPUB; USPAT	OR	ON	2006/01/23 08:19
S109	1160	(protect\$3 and spark\$4) same induct\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/23 08:18
S110	259	protect\$3 same spark\$4 same induct\$3	US-PGPUB; USPAT	OR	ON	2006/01/23 08:19
S111	2	S110 same magnet	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/23 08:20
S112	0	S110 same industrial	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/23 08:21
S113	70	S110 same diode	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/23 08:23
S114	58028	crane	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/23 08:23
S115	8	S114 same protect\$3 same discharg\$3 same induct\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/23 08:31

S11 6	169	magnet adj controller	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/23 09:22
S11 7	2	S116 same protect\$3 same discharg\$3 same induct\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/23 09:00
S11 8	0	S116 same (spark adj gap)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/23 09:01
S11 9	4	S116 same diode	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/23 09:01
S12 0	183	magnet adj (controller or protector)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/23 09:22
S12 1	2	S120 same spark	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/23 09:23
S12 2	5	S120 same diode	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/23 09:23
S12 3	1170	discharg\$3 same magnet same (spark or surge)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/24 08:29
S12 4	197	S123 same diode	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/24 08:30
S12 5	58	S124 same (open or energized)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/24 08:42
S12 6	11981	spark adj gap	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/24 08:42
S12 7	256	S126 same induct\$3 same diode	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/24 08:43
S12 8	59	S127 same (open or energize)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/24 09:32
S12 9	2	("3483430").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/24 09:49
S13 1	7755	gas adj tube	US-PGPUB; USPAT	OR	ON	2006/01/24 09:50
S13 2	16066	gas adj tube	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/24 09:50

S13 3	667	S132 same series same diode	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/24 09:51
S13 4	198	S133 same (induct\$4 magnet electromagnet)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/24 09:52
S13 5	108	S134 same (open\$3 overvoltage surge transient)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/24 09:53
S13 6	80	S135 same resistor	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/24 09:53

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	773	(361/160).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/25 11:17
L2	217	(361/160).CCLS.	EPO; JPO	OR	OFF	2006/01/25 11:24
L3	0	(361/160).CCLS.	DERWENT; IBM_TDB	OR	OFF	2006/01/25 11:24